

MATERIAL SAFETY DATA SHEET

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MANUFACTURER:

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IMPORTANT:

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

SECTION I - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: BUTYL CELLOSOLVE
 PRODUCT USE: IMAGE REMOVER
 CLASS: Combustible Liquid
 DOT SHIPPING NAME: Combustible Liquid, N.O.S.
 Not DOT regulated for ground transportation if in container less than 110 gal. capacity.

HMIS

Health: 3
 Flammability: 2
 Reactivity: 0
 Personal Protection: D

SECTION II - COMPONENTS

	CAS #	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	25 PPM (skin)	25 PPM (skin)

This product is listed on the EPA/TSCA inventory of chemical substances.

SARA - In accordance with SARA Title III, Section 313, The EDS should always be copied and sent with the MSDS.

SECTION III - PHYSICAL DATA

APPEARANCE AND ODOR: Clear, colorless liquid - mild odor.
 BOILING POINT: 171°C
 SPECIFIC GRAVITY: 0.9 @ 20°C.
 VAPOR PRESSURE: VOC composite Partial Pressure .6mm Hg @ 20°C.
 VAPOR DENSITY: Heavier than air.
 VOC: 950 grams per liter by EPA Method 24.
 EVAPORATION RATE: N/A
 pH: N/A

SECTION IV - FIRE OR EXPLOSION HAZARD

FLASHPOINT: 138°F
 EXTINGUISHING MEDIA: Water fog, alcohol foam, dry chemical or CO₂.
 UNUSUAL FIRE & EXPLOSION HAZARDS: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water as needed to prevent weakening of container structure.
 FIRE FIGHTING PROCEDURES: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

SECTION V - REACTIVITY DATA

STABILITY: Stable under normal conditions of storage and handling. Avoid heat, sparks and open flames.
 INCOMPATIBILITY: Oxidizing or reducing agents. Avoid contact with aluminum surfaces. If the surface aluminum oxide film is removed, release of hydrogen gas can result.
 HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

ROUTE OF ENTRY: Inhalation, skin absorption and ingestion.

EFFECTS OF ACUTE EXPOSURE:

EYE CONTACT: This material may cause eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause burning, tearing and redness.

SKIN CONTACT: This material may cause skin irritation. Prolonged or repeated exposure to this material may cause redness, burning, and drying and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INHALATION (BREATHING): Breathing high concentrations of vapors or mists may cause: irritation of the nose and throat. Signs of nervous system depression (e.g., drowsiness, dizziness, loss of coordination and fatigue). Respiratory symptoms associated with pre-existing lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to this material.

EFFECTS OF CHRONIC EXPOSURE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as solvent or painter's syndrome).

CARCINOGENICITY: No

TERATOGENICITY: No

REPRODUCTIVE TOXICITY: No

MUTAGENICITY: No

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

PERSONAL PROTECTIVE EQUIPMENT: Wear safety glasses or goggles and nitrile gloves when handling. Keep containers closed when not in use. Provide adequate ventilation in work area. A respirator should be worn if needed.

LEAK AND SPILLS PROCEDURE: Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area of spill. A universal type foam may be used to suppress vapors. Keep out of drains, sewers or waterways. Use sand or other inert material to dam and contain spill. Do not flush area with water. For small spills, use absorbent pads.

WASTE DISPOSAL: Dispose of in accordance with local, county, state and federal regulations. Do not weld, cut, braze or drill drums that are empty.

SECTION VIII - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: Flush skin with water. If irritation occurs, get medical attention.

INHALATION (BREATHING): Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

INGESTION (SWALLOWING): Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30cc (2 tablespoons) syrup of ipecac. If ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get medical attention.

SECTION IX - ADDITIONAL INFORMATION

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